

VERMONT

Science and Engineering Profile

	Vermont	U.S.	Rank		Vermont	U.S.	Rank
Doctoral scientists, 1993	1,436	430,332	46	Total R&D performance, 1993 (millions)	\$343	\$161,427	40
Doctoral engineers, 1993	200	81,293	45	Industry R&D, 1993 (millions)	\$284	\$117,622	36
S&E doctorates awarded, 1995	44	26,482	48	Academic R&D, 1994 (millions)	\$52	\$20,573	47
of which, in life sciences	45%	24%		of which, in life sciences	90%	55%	
in psychology	32%	13%		in engineering	4%	16%	
in physical sciences	16%	14%		in physical sciences	2%	10%	
S&E postdoctorates, 1994				Higher education current-fund			
in doctorate-granting institutions	90	36,143	38	expenditures, 1993 (millions)	\$599	\$163,994	42
S&E graduate students, 1994				Number of SBIR awards, 1990-94	47	18,023	36
in doctorate-granting institutions	681	438,694	50	Patents issued to state residents, 1995	148	55,717	39
Population, 1995 (000s)	585	262,755	49	Gross state product, 1992 (billions)	\$11.8	\$5,994.1	51
Civilian labor force, 1995 (000s)	320	132,281	48	of which, agriculture	3%	2%	
Personal income per capita, 1995	\$20,927	\$22,788	32	manufacturing, mining, construction	23%	23%	
Federal spending				transportation, communication, utilities	7%	9%	
Total expenditures, 1995 (millions)	\$2,671	\$1,326,294	50	wholesale and retail trade	16%	16%	
R&D obligations, 1994 (millions)	\$48	\$65,654	49	finance, insurance, real estate	18%	18%	
				services	20%	20%	
				government	12%	12%	

Rankings and totals are based on data for the 50 States and D.C.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development in Vermont by Agency and Performer: Fiscal Year 1994

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	47,880	3,379	0	6,955	33,727	3,274	545	49
Department of Agriculture	5,625	1,696	0	0	3,929	0	0	47
Department of Commerce	18	0	0	0	18	0	0	47
Department of Defense	6,260	49	0	5,705	506	0	0	46
Department of Energy	544	0	0	0	544	0	0	49
Dept. of Health & Human Services	29,267	0	0	760	25,058	3,274	175	37
Department of the Interior	1,789	1,634	0	55	100	0	0	46
Department of Transportation	370	0	0	0	0	0	370	51
Environmental Protection Agency	204	0	0	0	204	0	0	44
Nat'l Aeronautics & Space Admin.	347	0	0	204	143	0	0	50
National Science Foundation	3,456	0	0	231	3,225	0	0	49
State rank	49	51	na	46	42	40	50	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.